DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Time Varying Presentation of Items Based on a Key Hash

the speci	ification of which			
-	TV.	is attached hereto.		
	$\frac{X}{X}$			
		was filed on	as	
		United States Application	Number	
		or PCT International Appli	cation Number	
		and was amended on	(12 11 11)	•
			(if applicable)	
as amend known o publicati in public has not b country t	led by any amendment refer used in the United States on in any country before me use or on sale in the Unite been patented or made the storeign to the United States	rred to above. I do not know of America before my invent y invention thereof or more to d States of America more that ubject of an inventor's certific of America on an application	of the above-identified specification and do not believe that the claim thereof, or patented or design on one year prior to this applicate issued before the date of a filed by me or my legal repress (for a design patent applicate)	laimed invention was ever scribed in any printed lication, that the same was not ation, and that the invention this application in any esentatives or assigns more
I acknow of Federa	rledge the duty to disclose a large	all information known to me	to be material to patentability	as defined in Title 37, Code
for paten	t or inventor's certificate lis	sted below and have also ider	ates Code, Section 119(a)-(d) ntified below any foreign appl ation on which priority is clai	, of any foreign application(s) ication for patent or med:
Prior For	reign Application(s):			
111011101	organ repareution(8).			
	APPLICATION	COUNTRY (OR	DATE OF FILING	PRIORITY CLAIMED
	NUMBER	INDICATE IF PCT)	(day, month, year)	UNDER 37 USC 119
				□ No □ Yes
	A-PI			No Yes
				□ No □ Yes
			7, 11	LINU LIES

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (ISSUED, PENDING, ABANDONED)

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to:

William W Schaal, Reg. No. 39,018, BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP

(Name of Attorney or Agent)

12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025 and direct telephone calls to:

William W. Schaal, (714) 557-3800.

(Name of Attorney or Agent)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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